

U.S.S.N. 09/127,411
GRUENBERG
AMENDMENT

at page 41, line 26, replace "adminstration" with —administration—;
at page 45, line 20, replace "spohdylitis" with —spondylitis—;
at page 47, line 18, replace "syncntial" with —syncytial—;
at page 47, line 19, replace "syphillis" with —syphilis—;
at page 47, line 28, delete the first "chaboudi";
at page 48, line 8, replace "These" with —There—;
at page 48, line 9, replace "rsponse" with —response—;
at page 48, line 19, replace "muscou" with —mucous—;
at page 48, line 23, replace "thecells" with —the cells—;
at page 53, line 21, replace "twoeparate" with —two separate—.

IN THE CLAIMS:

Please add claims 158-164 as follows:

- B1
- 158. The method of claim 38, wherein, in the contacting step, the activation of the cells occurs under conditions that promote Th1 cell differentiation to produce a population of cells that contains predominantly Th1 cells. —
- 159. The method of claim 37, wherein the cells are expanded to an excess of 10^{10} cells in a volume of a liter or less. —
- 160. The method of claim 37, wherein the cells are expanded to an excess of 10^{10} cells in a volume of 500 mls or less. —
- 161. The method of claim 37, wherein the expansion of cells occurs under conditions that produce a cell density of greater than 10^8 cells/ml. —
- 162. The method of claim 38, wherein the cells are expanded to an excess of 10^{10} cells in a volume of a liter or less. —
- 163. The method of claim 38, wherein the cells are expanded to an excess of 10^{10} cells in a volume of 500 mls or less. —
- 164. The method of claim 38, wherein the expansion of cells occurs under conditions that produce a cell density of greater than 10^8 cells/ml. —

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B1
— 165. The method of claim 37, wherein cell expansion is effected in a hollow fiber bioreactor.—

— 166. The method of claim 38, wherein cell expansion is effected in a hollow fiber bioreactor.—

— 167. The method of claim 39, wherein cell expansion is effected in a hollow fiber bioreactor.—

Please amend claims 36-38, 40 and 155-157 as follows:

IN THE CLAIMS:

36. (Twice Amended) A method of producing virally purged CD4+ cells, comprising:

- B2
- (a) isolating mononuclear cells from a patient infected with HIV;
 - (b) contacting the cells with [one or more protein activating agents] mitogenic antibodies to induce cell activation;
 - (c) selecting [cells] CD4+ cells that are HIV- after activation; and
 - (d) inducing cell proliferation and expanding the selected cells to in excess of 1×10^{10} cells, [clinically relevant numbers] wherein:
cell proliferation and expansion is performed in the absence of exogenous interleukin-2 (IL-2).

37. (Twice Amended) The method of claim 36, wherein, in the contacting step, the activation of the cells occurs under conditions that promote Th1 cell differentiation to produce a population of cells that contains predominantly Th1 cells.

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38. (Twice Amended) The method of claim 36, further comprising:
after selecting CD4+ cells that are HIV- and prior to expanding the selected cells, growing a plurality of aliquots in the presence of mitogenic agents;
selecting from the aliquots those that are HIV-; and